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(54) Title: OPTICAL CO₂ AND COMBINED O₂/CO₂ SENSORS

(57) Abstract: Improved carbon dioxide sensors are disclosed which are less sensitive to the moisture content of the environment and which are substantially insensitive to oxygen levels under normal working conditions. The CO₂ sensor comprises a pH indicator and long-lived reference luminophore and a porous sol-gel matrix. Combined CO₂ and O₂ sensors are also described. Further disclosed are methods of printing sensor onto substrates.

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